

THE ECONOMIC OF NATURAL GAS PLANTS THAT REMAIN ATTRACTIVE EFFECTS

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SUMMARY

The mobile power plants, which were first established in eastern and southeastern Anatolia without a correct energy investment planning, were then installed all over the country. These power plants, which remained idle at a time well below their useful life, have brought a serious burden to the country's economy.

1 Introduction

electrical energy today societies' economic and social improving quality of life, and the important factors that increase the standard comes first. Therefore, countries increasing electrical energy requirement different production to meet methods were sought.

The first electricity generation in our country started in Istanbul with a small water turbine with a power of 2 kW installed in Tarsus in 1913, the first large thermal power plant 5 MW was established in Silahtaraya.

The installed power, which was 33 MW in 1923, when the Republic was founded, reached approximately 90,000 MW at the end of April 2019. In the 1990s, our country plants has come to the establishment of mobile power increasing need for electricity.

Mobile power plants are mobile or floating type power plants that fall into the thermal class. Due to their modular structure, they are power plants that can be easily transferred and installed in a short time.

Those in the mobile type class installed on several trailers diesel-generator groups or small They are made up of powerful gas turbines. The power of this type of power plants is between 15-30 MW. Floating power plants, on the other hand, are mounted on large rafts or ships. They are power plants consisting of generator and combined cycle groups installed on the

It is between 150-200 MW.

Energy sector investments in Turkey Build Operate Transfer Model, 1984 in order to ensure the participation of the private sector Turkey Electricity No. 3096 in the year Institution (TEK)

power generation, transmission, distribution and trade' was put into effect by law. However, Y.I.D.

model applications need large projected financing difficulty in supply, as well as competition energy unit due to the lack of prices higher than expected has taken place. Until today 24 Operate Build Transfer projects with a were realized total power of 2,387.83 MW

18 HEPPs with a power of 981,03 MW,
4 natural gas with a power of 1389.4 MW
electric cycle power plant,
2 wind turbines with 17.4 MW power
are power stations.

4283, which entered into force in 1997.
Build-Operate model within the framework of the law
4 natural gas (4,600 MW) units with a total
power of 5,810 MW have been put into practice.
MW) and one imported coal power plant
(1,210 MW) have been implemented with the
Y.ÿ method. These investments
It is wholly privately owned
It is not considered to be transferred to the
public at any stage.
In the 1990s, electrical energy investments
in our country were made for various reasons.
as planned in the short and medium term
Build Operate Transfer and Build Operate
models as a result of the evaluations made
by TEAÿ in 1997 and 1998 study ve

duration of power plants to be established
within the scope of urgent
for construction length and other reasons
in meeting the energy needs
cannot be a solution, the energy deficit
that these deficits may occur and
by mobile switchboards thesis
The issue of closure has been raised.
Electricity transmission and distribution
In places where the lines do not reach, they
are thought to be a regional solution. On this
they were established mainly in Eastern
Anatolia and Southeastern Anatolia regions.

Although its name is mobile switchboard
fixed on concrete foundations in our country
was established as Most of the mobile power
plants established in this period are fuel-oil
number six or
He was using diesel. of the period
national energy governments
insufficient resources, investment

Claims that there is not enough funding for
with Y.ÿ. and/or Y.ÿ.D models.
investing in the private sector in this field
The way was opened for the issuance of permits
and production licenses. Also, these companies
fuel incentives and 100% purchase guarantees
privileges were extended.

TEDAÿ institution after 1998
tender for mobile switchboards and a total of
17 mobile switchboard contracts
by making these power plants for different periods
leased for.

The first group power plants are Van (20
MW), Silopi (35 MW), ÿdil (10 MW) and
Hakkari (10 MW) substations

are set up to be connected.

It has a total power of 75 MW.

The power plants were put into operation in 1999.

has entered. The contract of these power plants is 3
years and the contract periods are

completed. These power plants
production amounts in total 601,675,000
kWh and weighted average unit energy

The selling price was 11.11 USD cents/kWh.

At this stage number six

the price of fuel-oil fuel is 3.03

cents/kWh. After deducting the fuel cost for these
power plants, the establishment cost of which is
approximately 75 million USD, 146 million USD
has been paid for three years.

Founded in Van, Hakkari, Silopi and ÿdil
production capacities of mobile power plants
20 MW, 20 MW, 25 MW and

A total of 85 MW, 20 MW

these power plants by increasing

TEAÿ has chosen to lease for a period of five
years. second group

aspect in this contract

annual electricity production of power plants
amounts of 723,546.203 kWh and weighted

The average unit energy sales price is 6.55.

It was realized as USD cent/kWh.

Service times at these power plants

completed.

After deducting the fuel cost, 127,344.132 USD was paid for these power plants for which capacity increases were made at a cost of 85 million USD.

By TEAİ institution, 30.05.2000 will be connected to transformer centers in Siirt (20 MW), Isparta (20 MW), Mardin (20 MW) and Esenboğa (40 MW) mobile devices with a total power of 100 MW power plant lease offers have been received. The lease period of these power plants with a contract power of 100 MW is 5 years, and the annual production amounts are total. as 872.905.600 kWh has taken place. If the energy selling price is an average of 6.51 USD cents/kWh. USD 151,585,774 for five years after deducting fuel costs for these power plants payment has been made.

04.08.2000 of TEAİ Board of Directors In its decision dated and numbered 47,374, 20 the driest rainy season of the year experience and electrical energy realized with an increase of 10% in demand mobile power plants with a power of 5 x 100 MW on the grounds that lease of these power plants and connecting these power plants to the 380-154 kV transformer center with the line and feeder took place. However, it is foreseen with the intense public reaction in the areas encountered. From these power plants Kırkkale (130 MW) and Batman (100 MW) power plants were established. In this tender, which was entered as the fourth group, lease term of five years and unit energy The average selling price was 5.05 USD cents/kWh.

Total annual production amounts as 1.932.000.000 kWh has taken place. After deducting the fuel cost to these power plants, 195,132,000 USD was paid for another five years. The list of the power plants installed in this period is presented in Table 1. [1-2]

However, fuel oil and diesel fuel The generation per kWh of these power plants after the incentives are abolished. costs have increased. to harm Some of these power plants closed its businesses and some of them stopped in their engines They started to use natural gas by making the necessary revisions. Because the incentive has started to be given to natural gas. The high rate of profit and the short-term payback of the investment have turned investors' faces towards establishing mobile power plants. 24185 of 29 September 2000 By publishing the following regulations in the Official Gazette, many of these mobile power plants were eliminated.

of a Temporary Amendment to the Sanitary Institutions - Informal Regulation,

- Regulation on the Addition of Temporary Articles to the Environmental Protection Regulation, - Regulation on Amending the Regulation on the Protection of Air Quality

- Regulation on Amending the Water Pollution Control Regulation.

Initially, mainly Turkey The mobile power plants established in the east of the city were used as natural gas fuel in the process. It started to be established almost everywhere in Turkey. simple before mobile installed as loop power plants, combined cycle at this stage to be established as power plants started. Electricity is also generated with the steam obtained by using waste heat. is produced. At this stage regional The electrical energy requirement has not been examined much, 50 MW generation power plants are also interconnected by establishing 154 kV switchgear facilities.

are connected to the system. The list of natural gas combined cycle power plants installed in Turkey is presented in Table 2. [2nd]

Considered only in the Southeast due to extraordinary conditions, mobile power plants were established as natural gas combined cycle power plants after 2002-2003 with the pressure of the energy lobby for excessive profit, and with the established power plants, 50% of Turkey's electricity consumption between 2007 and 2009 has become affordable. . In these installed power plants, 54.3% of the imported natural gas was used in 2014 and 44.9% in 2015. The total power of natural gas power plants established in Turkey in 2018 reached 25,884.97 MW. In the same year, 92,482,800,000 kilowatt-hours of electricity was produced by these plants, and the rate of this generation in total generation was 30.3%. [3]

With the **Electricity Market Capacity Mechanism Regulation** published in the Official Gazette dated January 20, 2018, a total of 12 power plants of around 9700 MW, including 11 imported Natural Gas power plants under the age of 13, over 100 MW, and 1 power plant aged 13 and above 50 MW, using domestic natural gas. included in an incentive system. With this regulation, it is stated that it is aimed to protect the reliable installed power capacity and the payments made within this scope are reflected to all users with the transmission tariff. [4]

In the first six months of 2019; As a result of the rise in water revenues and the increase in HEPP production, the share of natural gas power plants in production decreased to 13.58% in June despite the incentives. The ratio of natural gas power plants to meet Turkey's electricity consumption and their distribution by years are given in Table 1.

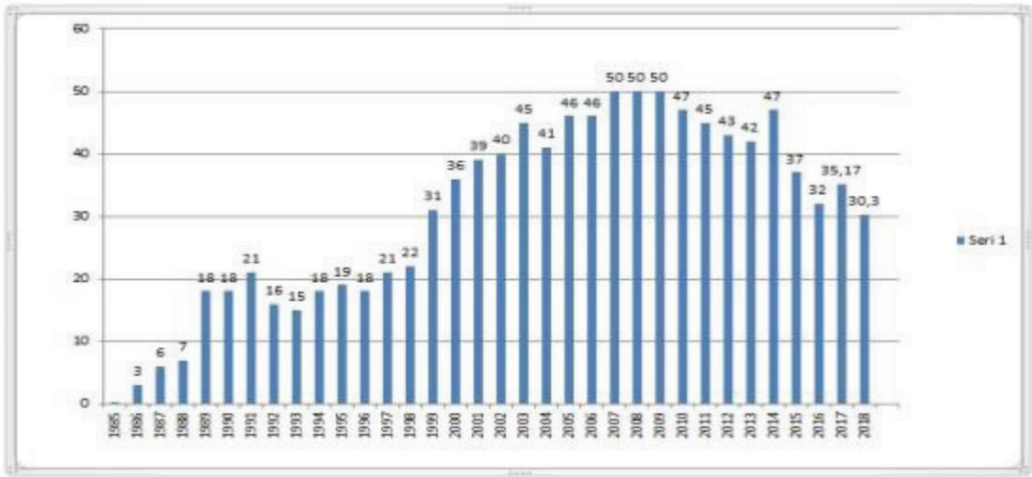


Chart 1 - Distribution of electricity consumption coverage ratios of natural gas power plants by years

Due to the policies imposed by the IMF and the World Bank, public service areas were opened to privatization, and within this framework, competition began in the 1980s.

After the transition to the free market model based on the law, the monopoly structure operated by the public in the electrical energy sector was introduced with the law no. 3096.

It was abolished in 1984.

Since there is no central planning; domestic financing is not sufficient for the use of national energy resources and investments, therefore

Do it for the reasons it needs

Uncontrolled through Operate (BOO) and Build-Operate-Transfer (BOT) contracts mobile power stations allowed to be established.

The successive hikes in natural gas and Official dated 03/03/2001 and numbered 24335 With the **"Energy Market Law"** published in the Gazette, 100% purchase guarantee many established as a result of the disappearance of natural gas energy conversion plants inoperable and disabled remained.

As of 2019, its activities in Turkey have been terminated;

i) The list of some power plants that have a license but are not operating is given in Table 3.61

ii) The list of power plants whose licenses have been revoked and **Terminated** is given in Table 3.62

CONCLUSION 1-) Mobile power plants with a power of approximately 980 MW using

Diesel and F.Oil were out of service and their activities were terminated. The cost of these power plants with an average establishment cost of 1000 USD/kW to our country has been approximately 1 billion USD.

2-) Natural gas power plants with a power of approximately 3500 MW were out of service and their activities were terminated.

Establishment costs of natural gas power plants It is an average of 1000 USD per kW. In this case, investments worth about 3.5 billion US dollars became idle and there were investments that created great problems for the Turkish economy.

How to continue the operation of the switchyards of these power plants, which are a part of the system, still maintains its importance as a major problem.

3-) In the period of June 2019, the total installed power of natural gas power plants, which was approximately 26,481 MW [5], increased to 3900. It produced as much as MW of energy.

Approximately 22,581 MW natural gas power plants that are not operating are idle.

4-) For sustainable development to a sustainable energy policy.

I have a need. However, this fact has been ignored in mobile power plant investments.

5-) Energy applied today

serious future due to its policies.

electrical energy supply security problem will happen.

6-) Generation, transmission, distribution and trade coordination of the planning of activities national energy policies

should be created. strategic and long by making long-term planning, hydro, renewable, **geothermal, solar, wind** ve

based projects should be implemented.

In planning and under construction societal costs should be considered, damage to our historical and natural riches should not be given.

RESOURCES

[1] TEYAY-Turkey Electricity Production-Transmission Statistics-2005

[2] EMRA-Website Electricity Market Existing/Revoked Licenses

[3] 2018 TEIAS Annual Report

[4] TEYAY Website- Announcements-Final list of power plants that will benefit from capacity for 2019

[5] EMRA 2019 June Electricity Market Industry Report

[6] General Directorate of Energy Affairs- BOT-BOT Projects

TABLE 1 - LIST OF MOBILE PBX

SIRA NO	CENTRAL NAME	CITY OF RESOURCE	BUSINESS EYE ENTRANCE DATE	TOTAL BOARD STRENGTH (MW)
1	BATMAN Fuel-Oil Batman			117,9
2	ESENBOG A		Ankara	44,8
3	HAKKARI 1	Diesel Hakkari	01.10.1999	10,0
4	HAKKARI 2	Fuel-Oil Hakkari	16.08.2001	24,8
5	ISPARTA		Isparta	27,9
6	KIRIKKAL AND		Kirikkale	153,9
7	KIZILTEPE 1		Mardin	32,1
8	PS3 A-2		Simak	09.09.2001
9	SAMSUN 1		Samsun	05.01.2001
10	SAMSUN 2		Samsun	05.01.2001
11	SyyRT		Siirt	15.09.2001
12	FROM 1		By	26.07.2009
13	FROM 2		By	01.06.2001
14	PS3A-1		Simak	22.05.2000
15	SILOPIA 1		Simak	05.09.1999
16	SILOPIA 2		Simak	06.09.2001
17	KIZILTEPE 2		Mardin	29.09.2001
TOTAL				979,9

TABLE 2- NATURAL GAS PLANTS

FİRMA ADI	TESTİS ADI	THESE OR	BOARD STRENGTH (MW)
ELECTRICITY GENERATION INC. (EUAS)	Tekirdag NGCC Power Plant A	TEKIRDAG	478
ELECTRICITY GENERATION INC. (EUAS)	Tekirdag NGCC Power Plant B	TEKIRDAG	478
ELECTRICITY GENERATION INC. (EUAS)	Esenyurt Thermal Power Plant	ISTANBUL	180
MUŞ İÇERİ ÜRETİM SANAYİ A.Ş. Muş Sugar Cogeneration Facility	YİMYR ELECTRICITY	MUŞ	7,68
GENERATION LTD.ŞTİ.	İzmir Natural Gas Combined Cycle power plant	İZMİR	1520
SEHER MENSUCAT TEXTİLE İND. VE TİC.A.Ş.	seher mensucat power station	SAKARYA	8,6
MODERN CARTON İND. AND	Modern Karton Natural Gas Fueled TİC.A.Ş. Production facility	TEKIRDAG	13,4
AKENERJİ ELECTRICITY GENERATION INC. Erzurum	Natural Gas Power Plant	HATAY	904
KAYSERİ İÇERİ FACTORY A.Ş.	Kayseri Seker Turhal Cogeneration plant	SLAP	14,12
ÇORUM SUGAR FACTORY INC.	Çorum Sugar Cogeneration Plant	ÇORUM	9,5
BİLGİN POWER PLANTS ENERGY GENERATION INC.	Bilgin Samsun Natural Gas Combined Cycle Power Plant	SAMSUN	886,92
BAYMİRNA ENERGY A.Ş.	Ankara NGCCPP	ANKARA	770
ADAPAZARI ELEKTRİK ÜRETİM LTD.ŞTİ.	Adapazarı Natural Gas Combined Cycle Power Plant	SAKARYA	770
GEBZE ELECTRICITY GENERATION CO.LTD.	Gebze Natural Gas Combined Cycle power plant	SAKARYA	1540
FLAMENT TEXTİLE İND. VE TİC.A.Ş.	Gaziantep flamingo Textile Cogeneration Plant	GAZİANTEP	2,022
FINE HOTELS TUR. İNS. SİNGİNG. VE TİC. İnc.	Izmir Grand Ephesus Hotel	İZMİR	1,2
KİPAŞ MENSUCAT İYİLETMELERİ A.Ş.	KIPAS MENSUCAT OSB ENERGY POWER PLANT	KAHRAMANMARAS 1,2	
HAMBURGER TURKEY PAPER PRODUCTION AND TRADE LTD. STİ.	Denizli	DENİZLİ	5,39
OKNAL SİNAYİ MEDİKAL GIDA PETROL TRANSPORTATION MINING CONSTRUCTION İND. VE TİC.A.Ş.	Türkoğlu Cogeneration Facility	KAHRAMANMARAS 1,048	
LESAFFRE TURQUİE MAYACILIK ÜRETİM VE TİCARET A.Ş.	Lesaffre Lüleburgaz Cogeneration plant	KIRKLARELİ	6,91
LESAFFRE TURQUİE MAYACILIK ÜRETİM VE TİCARET A.Ş.	Amasya province, Merkez district	AMASYA	5,354
TANRIVERDİ MENSUCAT İNDUSTRY İNC.	-	TEKIRDAG	4,66
YAZICI İRON STEEL İNDUSTRY AND Cornelia Diamond TURİZM TİCARET A.Ş. Hotel	Cogeneration Plant	ANTALYA	2,994
MEM TEXTİLE İND. VE TİC.A.Ş. MEM Electricity Production Plant	ELEKTRİK ÜRETİM	KAHRAMANMARAS 8.6	
A.Ş. (EUAS)	Gebze-Dilovası NGCC Power Plant	KOCAELİ	253,4
ÖZDİLEK TOURISM MANAGEMENT AND TRADE LTD. STİ.	Ozdilek Wyndham Hotel Trigeneneration Plant	İZMİR	0,8
KASTAMONU ENTEGRE AŞAĞI SAN. VE TİC.A.Ş.	Kastamonu Integrated Adana With Cogeneration Santa	ADANA	5,2
GEMCİLER GUVEN METAL İND. VE TİC.A.Ş.	Gemciler Cogeneration Facility	KAHRAMANMARAS 2	
DINARSU İMALAT AND TRADE TÜRK A.Ş.	Alaplı Cogeneration Plant	ZONGULDAK	9,73
AVM ENERGY PRODUCTION İNC.	Ankamall AVM Trigeneneration plant	ANKARA	6,084
İMTAŞ CONSTRUCTION ENERGY İND. VE TİC.A.Ş.	Ommer Hotel Trigeneneration Facility KAYSERİ		1,286
SARAY BISCUIT AND FOOD İNDUSTRY İNC.	Palace Biscuit Karaman Cogeneration Plant	KARAMAN	2
BAYMİRNA ENERGY A.Ş.	Ankara NGCC Power Plant	ANKARA	770

YPEK FURNITURE IMALAT IMPORT EXPORT IND. VE Tyc.A.y.	Silk Cogeneration Plant	KAYSERy	2,022
AKTUL PAPER PRODUCTION MARKETING INC.	Pamukova Power Plant	SAKARYA	15
UNIVERSAL TEXTILE IND. VE Tyc.LTD.yTy.	Universal Textile Cogeneration power plant	TEKIRDAG	3,349
KURTEKS TEXTILE ENERGY TRADE AND INDUSTRY INC.	Kurteks Production Facility	KAHRAMANMARAS 2	
BUPyLyÇ ENTEGRE GIDA SANAYy TyCARET A.y.	Bupiliç Power Plant	BALIKESIR	2
NAZAR TEXTILE IND. VE Tyc.A.y. Evil Eye Production Facility		KAHRAMANMARAS 4.5	
TAV EGE TERMINAL INVESTMENT CONSTRUCTION AND OPERATION INC.	Tav Ege Adnan Menderes Airport Autoproducer Tes	IZMIR	9,78
GEP GLOBAL ELECTRICITY GENERATION INC.	GEP Karaman OSB Kojenerasyon power plant	KARAMAN	4,2
TEKAS TEKSTYL EXPORT AND IMPORT TRADE AND INDUSTRY INC.	Tekas Electricity Generation Plant	KAHRAMANMARAS 0.8	
GEP GLOBAL ELECTRICITY GENERATION INC.	Gusab Cogeneration Facility	BURSA	14,46
BEYPI BEYPAZARI AGRICULTURAL PRODUCTION PAZARLAMA SAN. VE Tyc.A.y.	Beypi Inc. Bolu Feed Factory Cogeneration	DIVIDED	4,3
GOODYEAR TIRES INC.	Goodyear Kocaeli Cogeneration	KOCAELy	5,2
CENGyZ ENERGY INDUSTRY AND TRADE INC.	Cengiz 610 MW DGKÇS	SAMSUN	610
ARIKAN MENSUCAT IND. VE Tyc.A.y.	Arikan Production Facility	KAHRAMANMARAS 9	
SEYHAN TURIZM AGRICULTURE ANIMAL INDUSTRY. VE Tyc.A.y.	Seyhan Hotel Cogeneration Plant ADANA		0,55
MARTEKS MARAY TEXTILE INDUSTRY INC.	Marteks Production Facility	KAHRAMANMARAS 4.3	
ALTINYILDIZ TEXTILE AND APPAREL INC.	Altynyildyz Cogeneration Facility	TEKIRDAG	5,5
MAKYOL CONSTRUCTION INDUSTRY TOURISM AND TRADE INC.	Makyol Production	ISTANBUL	0,6
ANI BISCUIT FOOD IND. VE Tyc.A.y.	Bunks-1	KARAMAN	1,2
DyZAYN TECHNICAL PIPE AND ELEMANS INDUSTRY AND TRADE INC.	Dizayn Teknik Corlu Trigenation power plant	TEKIRDAG	2,145
MONO MyMARLIK yNyAAT TURyZM YATIRIM TANITIM VE MAYAZACILIK TyCARET A.y.	Orion Production Plant	TEKIRDAG	1,2
YEDITEPE BEYNELMyLEL OTELCyLyK TURyZM VE TyCARET A.y.	Turcas Electricity Generation Inc. Cogeneration Plant	ISTANBUL	1,58
ALPERTEKS MENSUCAT SAN. VE Tyc.A.y.	Alperteks Cogeneration Power Plant	SERVANT	4,29
AZRA BISCUIT FOOD IND. VE Tyc.A.y.	Azra Power Plant	KARAMAN	1,2
INDORAMA VENTURES CORLU PET INDUSTRY INC.	Pet Chips Resin and Cogeneration Plant	TEKIRDAG	8,6
ACWA POWER ELECTRICITY MANAGEMENT INDUSTRY. VE Tyc.A.y.	Acwa Power Kyrykkale Natural Gas Combined Cycle Energy	KIRIKKALE	927,4
ENERJISA ENERGY GENERATION INC.	Bandyrma II Natural Gas Combined Cycle Power Plant	BALIKESIR	607,2
TURKOL TOURISM IND. VE Tyc.A.y. Turkol Hotel	Power Plant LyLA KAyIT	ISTANBUL	1
SAN. VE Tyc.A.y.	Canoeing	TEKIRDAG	43,65
KAZAN SODA ELECTRICITY GENERATION Kazan	Doyalgaz Kogeneration A.y. power plant	ANKARA	379
ESKO SISLI ELECTRICITY GENERATION Florence	Nightingale Hospital A.y. Cogeneration Plant	ISTANBUL	2,8
YEyLYURT ENERGY ELECTRICITY Yeilyurt Energy	Samsun Merkez URETyM A.y. OSB DGKÇS	SAMSUN	234,452
SODA INDUSTRY INC.	Mersin Cogeneration Power Plant	MYRTLE	126,1
COOPERATION ENERJy URETyM SAN. Cooperation	Energy	IZMIR	19,46

VE T�C.A.�.			
NAKSAN ENERGY ELECTRICITY GENERATION INC.	Naksan Power Plant II	GAZ�ANTEP	19,95
FENER ENERGY CONTRACTING CONSTRUCTION AND INDUSTRY TRADE LTD.	Fener Energy TES	KAYSER�	1,2
NAKSAN ENERGY ELECTRICITY GENERATION INC.	Naksan Power Plant	GAZ�ANTEP	8
�PEKSAN ELEKTR�K �RET�M A.�.	�peksan Cogeneration Facility	Mardin	8,6
B�NATOM ELECTRICITY GENERATION INC. Binatom	Emet Electricity Generation power plant	KUTAHYA	4,5
ODA� ELEKTR�K �RET�M SANAY� T�CARET A.�.	ODAS I DGK�S	SANLIURFA	140,24
RASA ENERGY PRODUCTION INC.	�anlıurfa OSB Power Plant Central	SANLIURFA	147,07
CENTRAL ANADOLU NATURAL GAS ELECTRICITY GENERATION AND TRADE INC.	Anatolia Natural Gas Combined Cycle Power Plant Project	KIRIKKALE	853
ALES ELEKTR�K �RET�M VE T�CARET A.�.	DK�S wings	AYDIN	63
NEW U�AK ENERGY ELECTRICITY GENERATION INC.	New U�ak Energy Power Plant U�AK		18,46
ACARSOY ENERGY ELECTRICITY PRODUCTION IND. VE T�C.A.�.	Acarsoy Denizli Natural Gas Power Plant DEN�ZL�		63
CAN ENERJ� ENTEGRE ELEKTR�K �RET�M A.�.	Tekirdag Power Generation Plant	TEKIRDAG	47,54
HAYAT PAPER AND ENERGY INDUSTRY AND TRADE INC.	Hayat Paper Production Plant	�ORUM	7,22
CENG�Z ENERGY INDUSTRY AND TRADE INC.	Cengiz 240 Mw Natural Gas Combined Cycle Power Plant	SAMSUN	238,9
�AH�NLER ENERGY ELECTRICITY GENERATION INC.	�orlu Cogeneration Power Plant	TEKIRDAG	26
UGUR ENERGY PRODUCTION TRADE AND INDUSTRY INC.	U�ur Energy �erkezk�y OSB Production Plant	TEKIRDAG	60,2
DESA ENERGY ELECTRICITY GENERATION INC.	P�narba�y Cogeneration Facility	IZMIR	15,6
ARENKO ELECTRICITY GENERATION INC.	Arenko Power Plant	DENİZLİ	11,986
FALEZ ELECTRICITY GENERATION INC.	Antalya Electricity Production Facility	ANTALYA	11,748
AKSA AKR�L�K K�MYA SANAY� A.�.	Aksa Power Plant	YALOVA	145
RWE TURCAS G�NEY ELEKTR�K �RET�M A.�.	Natural Gas Combined Cycle Energy power plant	DENİZLİ	797,4
B�NATOM ELECTRICITY GENERATION INC. Binatom	Gediz Electricity Generation plant.	KUTAHYA	4,5
HABA� SAN� VE T�BB� GAZLAR �STYHSAL END�STR�S� A.�.	Haba�/ Ali�a-DGK� Power Plant	IZMIR	1043,232
ATAER ENERGY ELECTRICITY GENERATION INC.	Ataer Thermal Power Plant	IZMIR	125
NEW ELECTRICITY GENERATION INC.	New Natural Gas Cycle Power Plant	KOCAEL�	865
AGE ENERGY GENERATION INC.	AGE DGK�S I	DENİZLİ	205,5
DELTA ENERGY GENERATION AND TRADE INC.	Delta Natural Gas Combined Cycle power plant	KIRKLAREL�	61
ENERJISA ENERGY GENERATION INC.	Band�rma Natural Gas Combined Cycle Power Plant	BALIKESİR	936,18
AKSA ENERGY GENERATION INC.	Antalya Power Plant	ANTALYA	1025
ALIAGA CAKMAKTEPE ENERGY GENERATION INC.	Aliaga-Izmir	IZMIR	268,36
BURGAZ ELECTRICITY GENERATION INC.	L�leburgaz-Tekirdag	KIRKLAREL�	6,91
ENERJISA ENERGY GENERATION INC.	Kentsa	KOCAEL�	40
ZORLU ENERGY ELECTRICITY GENERATION INC.	Izmit-Ipekpaper	YALOVA	15,93
ALTEK ALARKO ELECTRICITY PLANTS TES�S ��LETME VE T�CARET A.�.	Kirklareli NGCC	KIRKLAREL�	81,99
SAYENERJI ELECTRICITY PRODUCTION INC.	Sayenerji Kayseri	KAYSER�	5,7
BIS ENERGY ELECTRICITY GENERATION Bursa		BURSA	486

Inc.			
CAMYS ELECTRICITY GENERATION INC.	Trakya	KIRKLARELY	32,88
ENTEK ELEKTRİK ÜRETİM A.Ş.	Izmit-Kösekoy Thermal Power Plant	KOCAELİ	157,15
BERK ENERGY GENERATION INC.	Pendik Cogeneration	ISTANBUL	14,79
CAN ENERJİ ENTEGRE ELEKTRİK ÜRETİM A.Ş.	Corlu-Tekirdag	TEKIRDAG	56,28
ZORLU ENERGY ELECTRICITY GENERATION INC.	Bursa	BURSA	34,3
ZORLU ENERGY ELECTRICITY GENERATION INC.	Lüleburgaz-Kırklareli	KIRKLARELY	133,19
ELECTRICITY GENERATION INC. (EUAS)	Ambarlı Natural Gas	ISTANBUL	1350,9
ELECTRICITY GENERATION INC. (EUAS)	Bursa Natural Gas	BURSA	1432
HAMİTABAT ELECTRICITY GENERATION AND TRADE INC.	Hamitabat Natural Gas Combined Cycle Thermal Power Plant	KIRKLARELY	1220
ACIBADEM SAĞLIK HİZMETLERİ VE TİC.A.Ş.	Eskişehir Hospital Cogeneration power plant	ESKİSEHIR	0,849
SIRECI TEXTILE IND. VE TİC.A.Ş.	Sireci Energy 1 Cogeneration power plant	GAZİANTEP	8,53
MUTLU PASTA ENDÜSTRİ. VE TİC.A.Ş.	Mutlu Pasta Cogeneration plant	GAZİANTEP	2
KESKİNOĞLU POULTRY AND BREEDING BUSINESS. INDUSTRY TRADE INC.	Keskinoglu Viol Autoproducer plant	MANISA	6
KÜÇÜKBAY OIL AND DETERGENT INDUSTRY INC.	Küçükbay Oil and Detergent Industry. auto. plant	İZMİR	1,605
EGE CMC REAL ESTATE INVESTMENT TRADE INC.	Ege Park Mavişehir Autoproducer İZMİR		2,022
ERAK CLOTHING IND. VE TİC.A.Ş.	Cerkezoy-Tekirdag	TEKIRDAG	1,2
NURYILDIZ TEXTILE IND. VE TİC.A.Ş.	Nuryıldız Corlu Cogeneration plant	TEKIRDAG	1,36
BURTEKS TEXTILE IND. VE TİC.A.Ş.	Burteks Cogeneration Plant	GAZİANTEP	4,3
TEKBOY TEXTILE AND DYEING IND. VE TİC.A.Ş.	Lüleburgaz-Kırklareli	KIRKLARELY	2,246
TUBE MERCERIZED TEXTILE ELECTRICITY PRODUCTION IND. VE TİC.A.Ş.	Tube Mercerize Tekstil San. ve Tic. Inc.	KIRKLARELY	1
BEYBO PAINT IND. VE TİC.A.Ş.	Beybo Cogeneration Facility	TEKIRDAG	2,022
BEYPI BEYPAZARI AGRICULTURAL PRODUCTION PAZARLAMA SAN. VE TİC.A.Ş.	Beypi Autoproducer Power Plant	DIVIDED	8,6
ZEYNEP CLOTHING IND. VE TİC.A.Ş. YIK	Corlu-Tekirdag	TEKIRDAG	1,008
MAKAS CLOTHING IND. VE TİC.A.Ş.	Corlu-Tekirdag	TEKIRDAG	1,58
STEEL ROPE AND WIRE INDUSTRY INC.	Çelik Enerji Üretim A.Ş.	KOCAELİ	2,33
MOPAK PAPER CARTON IND. VE TİC.A.Ş.	Kemalpasa-Izmir	İZMİR	4,55
GAZİANTEP PRIVATE HEALTH HOSPITAL INC.	Gaziantep Private Health Hospital autoproducer plant	GAZİANTEP	1,188
THERMAL CERAMIC IND. VE TİC.A.Ş.	Söyüt-Bilecik	BİLECİK	4,598
FROM ALDAY INFRASTRUCTURE MANAGEMENT. ELECTRICAL EN. PRODUCTION SPEED. INS. COMMITMENT. SINGING. VE TİC.A.Ş.	Hurma Thermal Treatment Plant	ANTALYA	1,95
ODE INSULATION IND. VE TİC.A.Ş.	Ode Insulation Corlu Cogeneration plant	TEKIRDAG	2,035
TURKEY SUGAR FACTORIES Inc.	Ankara	ANKARA	8,84
BAYDEMİRLER TEXTILE IND. VE TİC.A.Ş.	Baydemirler Cogeneration Facility İSTANBUL		9,309
JTI TOBACCO PRODUCTS INDUSTRY INC.	Izmir Province, Torbalı District	İZMİR	4
MURATLI CARTON PAPER IND. VE TİC.A.Ş.	Muratlı Carton Cogeneration Plant TEKİRDAĞ		5,5
PROTECTION KLOR ALKALI IND. VE TİC.A.Ş.	Protection Chlorine Alkaline Auto.	KOCAELİ	13,396

POLYPLEX EUROPA POLYESTER FILM SANAYİ A.Ş.	ASB-Polyplex Power Plant	TEKİRDAĞ	11,748
ÇOLAKOĞLU METALLURGY INC.	Çolakoğlu-1 Thermal Power Plant	KOCAELİ	123,4
KIVANÇ TEXTILE IND. VE TİC.A.Ş.	Seyhan-Adana	ADANA	6,057
TAT TEXTILE IND. VE TİC.A.Ş.	Tat Tekstil Autoproducer Plant	GAZİANTEP	4
GOODYEAR TIRES INC.	Beşiközü-Sakarya	SAKARYA	9,6
STANDARD PROFIL AUTOMOTIVE IND. VE TİC.A.Ş.	Hamamaltı Power Plant	DUZCE	6,606
MELIKE YARN IND. VE TİC.A.Ş.	Melike Yarn Cogeneration Facility	GAZİANTEP	9,73
FRİTO LAY FOOD IND. VE TİC.A.Ş.	Frito Lay Tarsus Kogenerasyon power plant	MYRTLE	0,66
TURKEY SUGAR FACTORIES INC.	Pain	PAIN	9,6
MENDERES TEXTILE IND. VE TİC.A.Ş.	Denizli / Saraykoy	DENİZLİ	18,73
DOĞUŞ TEKSTİL İYİ. SINGING. VE TİC.A.Ş.	Doğuş Tekstil Cogeneration Facility TEKİRDAĞ		1,025
AK NİSASTA IND. VE TİC.A.Ş.	White Starch Autoproducer	KIRKLARELİ	4
KNAUF İNS. VE YAPI ELEMANLARI SAN. VE TİC.A.Ş.	Mina Gypsum Cogeneration Plant	ANKARA	1,558
BAYRAKTARLAR HOLDING INC.	Tarabya Hotel DG Trigeration plant	İSTANBUL	1,2
ÖZDİLEK EV TEXTILE IND. VE TİC.A.Ş.	Özdilek Bursa Cogeneration Facility BURSA		4,3
MMK METALLURGY INDUSTRY TRADE AND LIMAN MANAGEMENT INC.	Cogeneration Plant	HATAY	15
ALTINMARKA GIDA SAN. VE TİC.A.Ş.	Altınmarka	İSTANBUL	8,112
SELVA FOOD INDUSTRY INC.	Selva Energy Cogeneration Power Plant KONYA		1,712
AKIN TEXTILE INC.	Arabacı-İvrensekiz Dark Lüleburgaz-Kırklareli	KIRKLARELİ	5
BAHÇIVAN FOOD IND. VE TİC.A.Ş. Bahçivan Food Industry. and Tic. Inc. cogeneration plant	Istanbul	KIRKLARELİ	1,165
PISA TEXTILE AND PAINT FACTORIES INC.	Istanbul	İSTANBUL	1,02
DEMİRER CABLE FACILITIES IND. VE TİC.A.Ş.	Demirer Cogeneration Facility	BİLECİK	2,476
BALSUYU MENSUCAT SAN. VE TİC.A.Ş.	Honey Water Autoproducer	KAHRAMANMARAŞ 9.73	
CELİKLER TAAHHUT CONSTRUCTION AND INDUSTRY INC.	Ankara Hotel Cogeneration Power Plant ANKARA		2
İSTANBUL FERTILIZER INDUSTRY INC.	İyşai Energy Facility	KOCAELİ	8,8
BAĞYAZICIOĞLU TEXTILE IND. VE TİC.A.Ş.	Bamen Cogeneration Plant	KAYSERİ	2,145
GUVEN FOOD IND. VE TİC.A.Ş.	Güven Food Cogeneration	GAZİANTEP	2,006
KASTAMONU ENTEGRE AĞAÇ SAN. VE TİC.A.Ş.	Balıkesir	BALIKESİR	7,52
POLAT TURİZM OTELCİLİK TİCARET VE SANAYİ A.Ş.	Polat Renaissance Thermal Cogeneration Plant	İSTANBUL	1,6
PACKAGING PAPER SELKASAN AND MATERIALS TRADE INC.	Selkasan Cogeneration Plant	MANİSA	9,9
NAKSAN PLASTİK VE ENERJİ SAN.VE TİC.A.Ş.	Naksan cogeneration	GAZİANTEP	19,76
İSKUR BOYA TEKSTİL TRADE AND INDUSTRY INC.	BİL-KUR Cogeneration Project	KAHRAMANMARAŞ 2	
AK FOOD IND. VE TİC.A.Ş.	Ak Gıda Cogeneration Plant	SAKARYA	7,5
KESKİNKILIÇ FOOD IND. VE TİC.A.Ş.	Canoeing	AKSARAY	18,8
EROĞLU CLOTHING IND. VE TİC.A.Ş.	Eroğlu Çorlu Cogeneration Facility TEKİRDAĞ		1,165
BOYTEKS TEXTILE IND. VE TİC.A.Ş.	Boyteks Cogeneration Facility	KAYSERİ	8,6
KARTONSAN KARTON SAN. AND TİC.A.Ş.	Kullar Village-Izmit	KOCAELİ	22

ATAÇ CONSTRUCTION AND INDUSTRY INC.	Antalya	ANTALYA	5,4
GÜRTEKS YARN IND. VE TİC.A.Ş.	Gürteks synthetic cogeneration plant GAZİANTEP MELİKE		3,349
TEKSTİL SAN. VE TİC.A.Ş. Cogeneration GAZİANTEP KAHRAMANMARAŞ KAYIT SAN.			1,584
VE TİC.A.Ş.	KMK Paper Kutahya Paper Factory Cogeneration Plant	KUTAHYA	8,125
SELÇUK YARN IND. VE TİC.A.Ş.	Selcuk Iplik Cogeneration Facility	GAZİANTEP	4,3
DENİZLİ CEMENT INDUSTRY TÜRK A.Ş.	Kaklik-Denizli	DENİZLİ	14,04
PROTECTION KLOR ALKALI IND. VE TİC.A.Ş.	Kirikhan Cogeneration Power Plant	HATAY	10,047
PETKİM PETROKİMYA HOLDİNG A.Ş.	Petkim Cogeneration Facility	İZMİR	222,04
KÜÇÜKÇALIK TEXTILE IND. VE TİC.A.Ş.	Yenigöl OİZ-Bursa	BURSA	8
YILDIZ CHIPBOARD MDF FOREST PRODUCTS INDUSTRY TES. İTH. İHR. VE TRADE INC.	Yıldız Chipboard Plant	KOCAELİ	27,83
ALTINSU TEXTILE IND. VE TİC.LTD.ŞTİ.	Altınsu Tekstil Cogeneration Plant BURSA		1,189
ATYK PASHA TURİZM A.Ş.	Atikpasha Tourism Inc. Cogeneration Plant	İSTANBUL	1,165
ASAŞ ALUMINUM IND. VE TİC.A.Ş.	Akyazı Automobile Power Plant	SAKARYA	8,6
YILDIZ ENTEGRE WOOD INDUSTRY. VE TİC.A.Ş.	Arslanbey OİZ-İzmit	KOCAELİ	18,552
BURKAY TEXTILE INDUSTRY AND TRADE INC.	Burkay Textile Cogeneration power plant	BURSA	1,189
FLOKSER TEXTILE IND. VE TİC. Inc.	Poliser Cogeneration Plant	İSTANBUL	2,128
SAMUR CARPET IND. AND TİC.A.Ş.	Akyurt Cogeneration Facility	ANKARA	4,3
ANADOLU YARN AND TEKSTİL FABRİKALARI SANAYİ A.Ş.	Anatolia Thread autoproducer power plant	TEKİRDAĞ	8,6
GRANİSER GRANİT CERAMIC IND. VE TİC.A.Ş.	OİZ Akhisar-Manisa	MANISA	5,4
DERHAN TEXTILE APPAREL INDUSTRY AND TRADE LTD.ŞTİ.	Derhan Tekstil Kojenerasyon power plant	BURSA	1,189
KESKİNOĞLU POULTRY AND BREEDING BUSINESS. INDUSTRY TRADE INC.	Keskinoğlu Autoproducer Facility	MANISA	3,495
KAYSERİ SUGAR FACTORY INC.	Kayseri Sugar Factory Inc. (Boğazlıyan Sugar and Products Integrated Facilities)	YOZGAT	16,4
İSPARTA MENSUCAT SAN. VE TİC.A.Ş.	Isparta	İSPARTA	4,3
TEZCAN GALVANİZLİ CONSTRUCTION ELEMANLARI IND. VE TİC.A.Ş.	Tezcan Cogeneration	KOCAELİ	3,5
SANKO TEKSTİL İYİL. SINGING. VE TİC.A.Ş.	Yenigöl OSB Cogeneration	BURSA	11
TAV ESENBÖĞA INVESTMENT CONSTRUCTION AND OPERATION INC.	Tav Esenboğa Cogeneration Plant ANKARA		3,892
AKBASLAR TEXTILE ENERGY IND. VE TİC.A.Ş.	Akbağlar Gürsu Canoeing plant	BURSA	10,27
DURUM FOOD IND. VE TİC.A.Ş.	Status Food Thermal-Cogeneration MERSİN	İSTANBUL	13,622
ANADOLU JAPAN TOURISM INC.	Canoeing		2,5
FRAPORT TAV ANTALYA TERMINAL YATIRIM VE İŞLETİM A.Ş.	ICF Airports Antalya Airport Cogeneration Center	ANTALYA	8
KOMBASAN KAYIT PRINTING FOOD AND TEXTILE INDUSTRY AND TRADE INC.	Konya	KONYA	5,5
KURTOĞLU COPPER LEAD INDUSTRY INC.	Corlu-Tekirdag	TEKİRDAĞ	1,585
ALKİM PAPER IND. VE TİC.A.Ş.	Alkim Paper Cogeneration Plant	İZMİR	10,7
FRİTO LAY FOOD IND. VE TİC.A.Ş. Suadiye (Kocaeli) Cogeneration HALKALI KAYIT		KOCAELİ	1,3
KARTON SAN. VE TİC.A.Ş.	Istanbul	İSTANBUL	5,339

MYLUM STARCH IND. VE T.C.A.Ş.	Yakapinar-Adana	ADANA	14,25
KİLSAN KİL SAN. VE T.C.A.Ş.	Istanbul	ISTANBUL	3,168
KASTAMONU ENTEGRE AĞAÇ SAN. VE T.C.A.Ş.	Gebze	KOCAELİ	25,74
TURKEY SUGAR FACTORIES INC.	Malatya	MALATYA	5,544
ABALIOĞLU FEED SOYA VE TEKSTİL SANAYİ A.Ş.	Lezita Cogeneration Facility	İZMİR	6,066
SARKUYSAN BAKIR IND. VE T.C.A.Ş.	Çayyova-Gebze-Kocaeli	KOCAELİ	16,395
AKDENİZ CHEMICAL IND. VE T.C.A.Ş. Mediterranean Chemistry		İZMİR	4,044
İSTANBUL SABİHA GÖKÇEN ULUSLARARASI AIRPORT YATIRIM YAPIM VE İŞLETME A.Ş.	OHS Airport Trigenration power plant	ISTANBUL	4
ÇİRAĞAN SARAYI ENTERPRISES VE CONSTRUCTION AND TURİZM DEVELOPMENT A.Ş.	Istanbul	ISTANBUL	1,358
PLASKO PLASTIC IND. VE T.C.A.Ş.	Plasko Autoproducer Plant	KIRKLARELİ	2
GÜRTEKS YARN IND. VE T.C.A.Ş.	Gürteks Yarn Cogeneration Plant GAZİANTEP		6,698
MAURİ MAYA INDUSTRY INC.	Balıkesir	BALIKESİR	2
EMSEY SAĞLIK HİZMETLERİ VE İŞLETMELERİ TURİZM OTELÇİLİK TİCARET A.Ş.	Special Emsey hospital Cogeneration Plant	ISTANBUL	0,849
EKOTEN TEXTILE IND. VE T.C.A.Ş.	Ekoten Kojenerasyon	İZMİR	1,94
KNAUF INS. VE YAPI ELEMANLARI SAN. VE T.C.A.Ş.	Knauf Gypsum Cogeneration Plant	ANKARA	2
MELTEM KİMYA VE TEXTİLE İNDÜSTRİ İTH. İHR. VE TRADE CO.LTD.	Meltem Energy Thermal Power Plant	ADANA	2,145
PAK GIDA PRODUCTION AND MARKETING INC.	Kemalpasa-Izmir	İZMİR	5,67
MMK METALLURGY INDUSTRY TRADE AND LIMAN MANAGEMENT INC.	Gebze Cogeneration Plant	KOCAELİ	7,96
BOYAR CHEMICAL IND. VE T.C.A.Ş.	Boyar Kimya Cogeneration PLANT GAZİANTEP	ISTANBUL	2
POLAT TURİZM OTELÇİLİK TİCARET VE SANAYİ A.Ş.	Polat Tourism Balmumcu Hotel Cogeneration Plant		0,535
BİFA BISCUIT AND FOOD INDUSTRY INC.	Bıfa Biscuits	KARAMAN	2,145
ACİBADEM SAĞLIK HİZMETLERİ VE T.C.A.Ş.	Nilüfer-Bursa	BURSA	1,289
DURKAR CARPET TEXTILE IND. VE T.C.A.Ş.	Durkar I	GAZİANTEP	2,433
ABATEKS TEKSTİL TRADE AND INDUSTRY INC.	Abateks Cogeneration Facility	KAHRAMANMARAS 4.3	
TURKEY SUGAR FACTORIES INC.	Eskişehir	ESKİŞEHİR	15,72
HASIRCI TEXTILE IND. VE T.C.A.Ş.	Hasırcı Cogeneration Plant	GAZİANTEP	4,3
DOKUBOY WOVEN TEXTILE MINING. SINGING. VE T.C.A.Ş.	Dokuboy Autoproducer Power Plant	KAHRAMANMARAS 4.3	
MONDİ TİRE KUTSAN KAYIT VE AMBALAJ SANAYİ A.Ş.	Tire-İzmir	İZMİR	8
MIDDLE ANADOLU TRADE AND INDUSTRY ENTERPRISE TÜRK A.Ş.	Central Anatolian Power Plant	KAYSERİ	9
NİL KNITTING IND. VE T.C.A.Ş.	Nil Knitting-Corlu	TEKİRDAĞ	2,677
KAYA TURİSTİK FAKÜLTİSİ TİCARET OTELÇİLİK A.Ş.	Kaya Belek Cogeneration Plant ANTALYA		1,286
SARAY HALI INC.	Saray Electricity Facility	KAYSERİ	4,29
ARSAN WOVEN PAINT IND. VE T.C.A.Ş.	Arsan Weaving Autoproducer power plant	KAHRAMANMARAS 8.6	
LUTUF MENSUCAT INC.	Lutuf Mensucat Cogeneration	KAHRAMANMARAS 2	

	project		
TEKSMAK MACHINERY TEXTILE ENERGY IND. VE TİC.PAZARLAMA A.Ş.	Teksmak Machine Text Cogeneration Plant	BURSA	2,677
YİMMEK BİSKÜVİ VE GIDA SANAYİ A.Ş.	Lightning Biscuit autoproducer power plant	KARAMAN	1,56
BOSSA TİCARET VE SANAYİ İŞLETMELERİ TÜRK A.Ş.	Bossa Energy Facilities	ADANA	6,698
AKATEKS TEXTILE IND. VE TİC.A.Ş.	Corlu-Tekirdag	TEKIRDAG	1,75
ABS PLASTER AND BLOCK INDUSTRY INC. ABS	Gypsum Autoproducer Plant ZAFER	MYRTLE	1,56
TEKSTİL SAN. VE TİC.A.Ş.	Zafer Tekstil Kojen. Facility of	GAZİANTEP	1,45
TÜBAŞI TEKSTİL PRODUCTS Tübaş Çerkezköy	Cogeneration Dyeing SAN. VE TİC.A.Ş. plant	TEKIRDAG	1,36
EGE CERAMIC IND. VE TİC.A.Ş.	Ege Seramik Power Plant	İZMİR	13,08
GÜLLE INTEGRATED TEXTILE ENTERPRISES EMLAK CONS. SİNGİNG. VE TİC.A.Ş.	Corlu-Tekirdag	TEKIRDAG	18,784
KALESERAMİK ÇANAKKALE KALEBODUR SERAMİK SANAYİ A.Ş.	Canakkale	CANAKKALE	21,6
ISKUR TEKSTİL ENERGY TRADE AND INDUSTRY INC.	İşkur Autoproducer Power Plant	KAHRAMANMARAS 12.9	
ACİBADEM SAĞLIK HİZMETLERİ VE TİC.A.Ş.	Kozyataş Hospital	İSTANBUL	0,58
GÜLSAN SYNTHETIC WOVEN IND. VE TİC.A.Ş.	Gülsan Synthetic Cogeneration	GAZİANTEP	36,642
ACİBADEM SAĞLIK HİZMETLERİ VE TİC.A.Ş.	Kadikoy Hospital	İSTANBUL	0,519
DURMAZLAR MACHINERY IND. VE TİC.A.Ş.	Hilton Hampton Hotel Bursa Cogeneration Plant	BURSA	1,286
KİPAŞI MENSUCAT İŞLETMELERİ A.Ş.	Kipaş Mensucat Cogeneration Other	KAHRAMANMARAS 41.8	
AYDIN ORME IND. VE TİC.A.Ş.	Akyazı-Sakarya	SAKARYA	7,52
KAYSERİ SUGAR FACTORY INC.	Kayseri	YOZGAT	15,2
KONYA İÇEKER SANAYİ VE TİC.A.Ş.	Konya	KONYA	18,975
ARCELİK A.S.	Cayırova-Istanbul	İSTANBUL	6,5
ARCELİK A.S.	Eskisehir	ESKİSEHIR	6,31
EREĞLİ IRON AND ÇELİK FABRİKALARI T.A.Ş.	Karadeniz Ereğli-Zonguldak	ZONGULDAK	191,1
LOKMAN HEKİM ENGÜRSAĞ HEALTH, TOURISM, EDUCATION SERVICES AND HÜT	Cogeneration Plant	ANKARA	0,52
PROTECTION KLOR ALKALI IND. VE TİC.A.Ş.	Denizli Cogeneration Facility	DENİZLİ	6,698
KASTAMONU ENTEGRE AĞAÇ SAN. VE TİC.A.Ş.	Kastamonu Integrated Kastamonu With Cogeneration Santa	KASTAMONU	5,2
EUROTEX TEXTILE IND. VE TİC.A.Ş.	Atateks Cogeneration Facility	TEKIRDAG	5,63
YURTBAŞI CERAMIC IND. VE TİC.A.Ş.	Yönü Canoeing plant ESKİSEHIR	ESKİSEHIR	6,92
BADES ELECTRICITY GENERATION INC.	Taha DGKÇS	Mardin	136
GAZİANTEP ORGANIZED INDUSTRIAL ZONE ELEKTRİK ÜRETİM A.Ş.	Goren 2	GAZİANTEP	48,65
GAZİANTEP ORGANIZED INDUSTRIAL ZONE ELEKTRİK ÜRETİM A.Ş.	Goren 1	GAZİANTEP	48,65
BİLENERJİ BİLKENT ENERJİ ÜRETİM SAN.VE TİC.A.Ş.	Ankara	ANKARA	4,5
KASAR AND DUAL TEXTILE INDUSTRY INC.	Kasar and Dual Textile	TEKIRDAG	5,67
CAN ENTEGRE FAALİYETLERİ VE AGRICULTURAL PRODUCTS SANAYİ TİCARET A.Ş.	Corlu-Tekirdag	TEKIRDAG	7,84
RB SQUARE IMPORT EXPORT TEXTILE IND. VE TİC.A.Ş.	Cogeneration Plant	BURSA	12,9

PAK GIDA PRODUCTION AND MARKETING INC.	Köseköy-Kocaeli	KOCAELİ	5,2
PAK GIDA PRODUCTION AND MARKETING INC.	Cumayeri-Duzce	DUZCE	5,2
HAYAT CHEMICAL INDUSTRY INC.	Canoeing	KOCAELİ	35,28
MERCEDES-BENZ TÜRK A.Ş.	Mercedes-Benz Türk Kojenerasyon plant	ISTANBUL	2,022
MOSB ENERGY	Manisa Organized Industrial Zone Cogeneration Plant	MANİSA	140

TABLE 3- SOME NATURAL GAS PLANTS WITHOUT PRODUCTION

	Company name	Facility Name	Thesis Or	Facility District	Thesis Power
1	Acarsoy Ener. elect. Produce. Inc.	Denizli NGCCPP	Denizli	Honaz	63
2	CENGİZ INR. SINGING. TRADE INC.	Cengiz CCPP(238.9 MW)	Samsun	Tekkekoy	238,9
3	ÇOLAKOĞLU METALLURGY INC.	GT-1	Kocaeli	Gebze	123,4
4	ALTEK ALARKO	KIRKLARELİ DGKÇ Kırklareli		Centre	81,99
5	ODAŞ NATURAL GAS	ODAŞ DGKÇS	Sanliurfa	Centre	140,24
6	AGE ENERGY GENERATION INC.	AGE DENİZLİ DGKÇS	Denizli	Saraykoy	205,5
7	GEBZE ELECTRICITY GENERATION LTD. STI. GEBZE CCPP		Sakarya	Adapazari	1540
8	ADAPAZARI ELECTRICITY GENERATION LTD. STI.	ADAPAZARI NGCCPP Sakarya		Adapazari	770
9	İZMİR ELEKTRİK ÜRETİM LTD. STI.	İZMİR CCPP	İzmir	Aliaga	1591
10	ATAER ENERGY ELECTRICITY GENERATION INC.	THERMAL-COMBINE POWER PLANT	İzmir	Cigli	125
11	ÇAKMAKTEPE DGKÇ	ÇAKMAKTEPE DGKÇ	İzmir	Aliaga	268,36
12	EUAS	OVA DGKÇS	Gebze Dilovasi	Kocaeli	253,4
13	EUAS	ESENYURT NGCCPP	İstanbul	Esenyurt	180
14	EUAS	MARMARA EREVLİSİ(2)	Tekirdag	Marmara Ereğlisi	478
15	EUAS	MARMARA EREVLİSİ(2)	Tekirdag	Marmara Ereğlisi	478

TABLE 4 - NATURAL GAS PLANTS WITH ENDED OPERATION

BUSINESS	TESTİS ADI	THESE OR	POWER(MW)
DENTAŞ CONTAYNERBOARD KAYIT SAN. VE TİC.A.Ş.	Denizli	DENİZLİ	5,39
BİLİCİ INVESTMENT IND. VE TİC.A.Ş.	Canoeing	ADANA	2
BUMAS KARAMAN FOOD IND. VE TİC.ELEKTRİK ÜRETİMİ LTD.ŞTİ.	Bumas Power Plant	KARAMAN	4,044
TEKNO NATURAL GAS CYCLE ENERGY ELECTRICITY GENERATION INC.	Bilecik CCPP	BYLEÇİK	25,8
AŞAÖLÜ ENERGY PRODUCTION INC.	My World Europe Ayazma Cogeneration Plant	İSTANBUL	12,9
OSTİM FINANS AND BUSINESS CENTER CONSTRUCTION GAYRİMENKUL ENERJİ ELEKTRİK ÜRETİM TİCARET A.Ş.	Ofim Power Plant	ANKARA	2,05
AKSA ENERGY GENERATION INC.	Samsun Tekkeköy Power Plant	SAMSUN	131,335
CENGİZ ENERGY INDUSTRY AND TRADE INC.	Cengiz 132MW Dual Fuel Combined Cycle Power Plant	SAMSUN	131,335
TİRENDA TİRE ENERGY PRODUCTION INC.	Tire OSB Power Plant	İZMİR	58,38
NUH ENERGY ELECTRICITY GENERATION INC. Nuh Energy	Natural Gas Combined Cycle Power Plant	KOCAELİ	119,98
HG ENERJİ ELEKTRİK ÜRETİMİ SAN. VE TİC.A.Ş.	Kütahya province, Gediz district, HG Power Plant	KUTAHYA	57,73
PANCAR ELECTRICITY PRODUCTION INC.	Beet	İZMİR	40,36
MODERN ENERGY ELECTRICITY GENERATION INC.	Modern Energy Thermal Power Plant	TEKİRDAĞ	13,4
EGE UNITED ENERGY ELECTRICITY GENERATION INC.	Ege United Energy Electricity Production Plant İzmir province, Kemalpaşa district	İZMİR	13,08
ESKİYEHER ENDÜSTRİYEL ENERJİ ÜRETİM A.Ş.	EEEÜ DGKÇ Electricity Generation power plant	ESKİSEHIR	55,5
YURTBAY ELECTRICITY PRODUCTION INC.	Yönü Cogeneration Facility ESKİSEHIR	ESKİSEHIR	6,92
MAKSI ENERGY ELECTRICITY GENERATION INC.	Silivri Cogeneration Power Plant	İSTANBUL	7,7
RASA ENERGY PRODUCTION INC.	Van Power Plant	BY	114,884
ZORLU NATURAL ELECTRICITY GENERATION INC.	Engil Gas Turbines	BY	15
BATÇİM ENERGY ELECTRICITY GENERATION INC.	Batçim Energy Bornova	İZMİR	45
AKSA ENERGY GENERATION INC.	Manisa Power Plant	MANISA	115,26
BOSEN ENERGY ELECTRICITY GENERATION INC.	Bursa	BURSA	46,5
ZORLU ENERGY ELECTRICITY GENERATION INC.	Zorlu Energy Birlik Textile Cogeneration	KAYSERİ	7,2
TURCAS ELECTRICITY GENERATION INC.	Turcas Electricity Generation Inc. Cogeneration Plant	İSTANBUL	1,58
ENERJISA ENERGY GENERATION INC.	Canakkale	CANAKKALE	65
ENERJISA ENERGY GENERATION INC.	Adana	ADANA	131
ENERJISA ENERGY GENERATION INC.	Myrtle	MYRTLE	66
MARMARA ENERGY INVESTMENTS IND. VE TİC.A.Ş.	Canoeing	TEKİRDAĞ	8,73
ANTALYA ENERGY GENERATION INC.	Antalya OSB	ANTALYA	94,2
SÖNMEZ ELECTRICITY PRODUCTION IND. VE TİC.A.Ş.	Canoeing	SERVANT	34,92
AKENERJİ ELECTRICITY GENERATION INC.	Denizli	DENİZLİ	15,6
AKENERJİ ELECTRICITY GENERATION INC.	Cerkezkoy	TEKİRDAĞ	96
AKENERJİ ELECTRICITY GENERATION INC.	Usak OSB	SERVANT	15,24
AKENERJİ ELECTRICITY GENERATION INC.	Ormo	BURSA	5,2
AKENERJİ ELECTRICITY GENERATION INC.	Çorlu Mebal	TEKİRDAĞ	10,5
AKENERJİ ELECTRICITY GENERATION INC.	Yalova (Akşa-Akal)	YALOVA	70,004

AKENERJI ELECTRICITY GENERATION INC.	Batıçım	İZMİR	45
AKENERJI ELECTRICITY GENERATION INC.	Kemalpasa	İZMİR	127,2
AKENERJI ELECTRICITY GENERATION INC.	Bozuyuk	BİLEÇİK	132
AKENERJI ELECTRICITY GENERATION INC.	alaplı	ZONGULDAK	6,3
AKENERJI ELECTRICITY GENERATION INC.	Gursu	BURSA	15,6
ÇERKEZKÖY ENERJİ ELEKTRİK ÜRETİMİ A.Ş.	Canoeing	TEKİRDAĞ	49,8
CAMİS ELECTRICITY GENERATION INC.	Myrtle	MYRTLE	252,2
CAMİS ELECTRICITY GENERATION INC.	Cayirova	KOCAELİ	12
CAMİS ELECTRICITY GENERATION INC.	Topkapi	İSTANBUL	12
ENTEK ELEKTRİK ÜRETİMİ A.Ş.	İstanbul	İSTANBUL	2,332
ZORLU ENERGY ELECTRICITY GENERATION INC.	Kayseri OİZ	KAYSERİ	154,52
ZORLU ENERGY ELECTRICITY GENERATION INC.	Ankara	ANKARA	50,3
NUH ENERGY ELECTRICITY GENERATION INC.	Hereke-Kocaeli	KOCAELİ	38
BOZ ENERGY ELECTRICITY GENERATION INC.	my chest	SERVANT	8,73
AYEN ÖSTİM ENERGY PRODUCTION INC.	Ayen Ostim Combined Cycle Natural Gas Plant	ANKARA	40,967
STEEL ROPE AND WIRE INDUSTRY INC.		KOCAELİ	2,416
NOREN ENERGY GENERATION INC.	Nigde	NİĞDE	8,73
GLOBAL ENERGY ELECTRICITY GENERATION INC.	Çorlu Hacıyeramet	TEKİRDAĞ	7,832
GLOBAL ENERGY ELECTRICITY GENERATION INC.	Çorlu Pelitlik	TEKİRDAĞ	24,301
KARKEY KARADENİZ ELECTRICITY GENERATION INC.	Kemalpasa-Izmir	İZMİR	42,96
ENTEK ELEKTRİK ÜRETİMİ A.Ş. CEBİ	Bursa	BURSA	142,572
ENERGY ELECTRICITY GENERATION INC.	Tekirdag	TEKİRDAĞ	64,366
NUH ENERGY ELECTRICITY GENERATION INC.		KOCAELİ	73,03
ELECTRICITY GENERATION INC. (EUAS)	Aliaga	İZMİR	180
ELECTRICITY GENERATION INC. (EUAS)	Engil Gas Turbines		15
TESCO KİPA KİTLE PAZARLAMA TİCARET VE GIDA SANAYİ A.Ş.	Cigli Electricity Plant	İZMİR	2,33
HATİPOĞLU PLASTIC CONSTRUCTION ELEMANLARI İND. VE TİC.A.Ş.	Hatipoğlu Autoproducer Power Plant	ESKİŞEHİR	2
ECZACIBAŞI-BAXTER HOSPITAL PRODUCTS İND. VE TİC.A.Ş.	Yiğit Cogeneration Facility	İSTANBUL	1,033
TANRIVERDİ WOVEN FINISHING AND PAINT INDUSTRY INC.	Foca	TEKİRDAĞ	4,66
REDEVCO UC EMLAK DEVELOPMENT İNS. INVESTMENT INC.	Gordion Shopping Center Cogeneration Plant	ANKARA	2,014
OZMAYA INDUSTRY INC.	Amasya province, Merkez district	AMASYA	5,354
TRAKYA YARN INDUSTRY INC.	Trakya Yarn Cogeneration Facility	TEKİRDAĞ	4,2
REDEVCO A EMLAK DEVELOPMENT İNS. INVESTMENT INC.	Meydan Shopping Center Cogeneration Plant	ERZURUM	2,436
DALSAN ALCI İND. VE TİC.A.Ş.	Gebze Factory Cogeneration plant	KOCAELİ	1,165
ATLAS HALICILIK YÖNETİMİ A.Ş.	Corlu-Tekirdag	TEKİRDAĞ	1,025
TAV İSTANBUL TERMİNAL YÖNETİMİ A.Ş.	TAV Atatürk Airport Autoproducer Plant	İSTANBUL	9,78
BOYNER RETAIL AND TEKSTİL YATIRIMLARI A.Ş.	Altınyıldız Cogeneration Facility	TEKİRDAĞ	5,5
CANAN TEXTILE İND. VE TİC.A.Ş.	Canan I	GAZİANTEP	4
AKMAYA SAN. VE TİC.A.Ş.	Akmaya Autoproducer Energy power plant	KIRKLARELİ	6,91
TURKEY SUGAR FACTORIES INC.	Mus	MUŞ	9,6
MERINOS CARPET İND. VE TİC.A.Ş.	Merino Carpet Energy Production plant	GAZİANTEP	9,73

BAHARİYE MENSUCAT IND. VE TİC.A.Ş.	Kucukcekmece-Istanbul	İSTANBUL	1,036
ELSE TEKSTİL SAN.VE TİC.A.Ş.	Corlu-Tekirdag	TEKIRDAG	3,16
SUPER BOY PAINT BLEACHING IND. VE TİC.LTD.ŞTİ.	Buyukcekmece	İSTANBUL	1,03
EVYAP SOAP, OIL, GLİSERİN IND. VE TİC. A.Ş.	Istanbul	İSTANBUL	5,12
TURKEY SUGAR FACTORIES INC.	Corum	ÇORUM	9,5
DEDELI NATURAL GAS ELECTRICITY GENERATION AND TRADE INC.	Tea CCPP	AFYONKARAHİSAR	126,1
DEDELI NATURAL GAS ELECTRICITY GENERATION AND TRADE INC.	Bilecik CCPP	BİLECİK	126,1
ATATEKS TEKSTİL İŞLETMELERİ SAN. VE TİC.A.Ş.	Atateks	TEKIRDAG	5,63
TOTAL			3503,291